

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS FOR  
APRIL 1944

[Communicated by Capt. J. F. Hellweg, U. S. N. (Ret.) Superintendent, U. S. Naval Observatory.] All measurements and spot counts were made at the Naval Observatory from plates taken at the observatories indicated. Difference in longitude is measured from the central meridian, positive toward the west. Latitude is positive toward the north. Areas are corrected for foreshortening and expressed in millionths of Sun's hemisphere. For each day, under longitude, latitude, area of spot or group, and spot count are included assumed longitude of center of the disk, assumed latitude of center of the disk, total area of spots and groups and total spot count.

Date	East- ern stand- ard time	Mount Wilson group No.	Heliographic				Area of spot or group	Spot count	Plate qual- ity	Observatory
			Dif- fer- ence in longi- tude	Lon- gi- tude	Lat- tude	Dis- tance from center of disk				
1944 Apr. 1	<sup>h</sup> <sup>m</sup> 10 42		°	°	°				G	U. S. Naval
†2	10 30			No spots						Mt. Wilson
3	10 39			No spots					F	U. S. Naval
4	15 20			No spots					F	Do.
5	10 44			No spots					VG	Do.
6	12 30			No spots					F	Do.
7	12 3	7639	+67	196 (129)	-23 (-6)	67	6 6	1 1	F	Mt. Wilson.
8	10 46			No spots					F	U. S. Naval.
9	10 48			No spots					F	Do.
10	10 36			No spots					G	Do.
†11	11 17			No spots						Mt. Wilson.
12	13 36			No spots					G	U. S. Naval.
13	10 41			No spots					F	Do.
14	12 4			No spots					F	Do.
†15	10 27			No spots						Mt. Wilson.
16	10 25	7640	-10	1 (11)	-13 (-5)	12	24 24	3 3	F	Do.
17	10 30	7640	+3	1 (358)	-13 (-5)	7	16 16	3 3	G	Do.
†18	10 55			No spots						Do.
†19	10 38			No spots						Do.
20	11 18			No spots					VG	U. S. Naval.
21	11 15			No spots					G	Do.
†22	10 15			No spots						Mt. Wilson.
†23	19 25			No spots						Do.

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS FOR  
APRIL 1944—Continued

Date	East- ern stand- ard time	Mount Wilson group No.	Heliographic			Area of spot or group	Spot count	Plate qual- ity	Observatory
			Dif- fer- ence in longi- tude	Lon- gi- tude	Lat- tude				
1944 Apr. 24	h m		°	°	°				
24	11 0			No spots					Mt. Wilson.
25	10 18			No spots				VG	U. S. Naval.
27	16 45			No spots				G	Do.
28	10 54			No spots				G	Do.
29	12 23			No spots				F	Do.
30	10 40			No spots				F	Do.

Mean daily area for 29 days=2

† Data taken from Mount Wilson charts.  
VG=very good; G=good; F=fair; P=poor.

PROVISIONAL RELATIVE SUNSPOT NUMBERS FOR  
MARCH 1944

[Based on observations at Zurich, Arosa, or Locarno. Data furnished through the courtesy of Prof. W. Brunner, Swiss Federal Observatory, Zurich, Switzerland]

March 1944	Relative numbers	March 1944	Relative numbers	March 1944	Relative numbers
1	8	11	0	21	*27
2	0	12	0	22	36
3	8	13	*0	23	36
4	7	14	7	24	22
5	0	15	0	25	a 14
6	*0	16	Ec 8	26	14
7	*0	17	14	27	12
8	0	18	d 29	28	12
9	*0	19	31	29	15
10	0	20	*a 33	30	7
				31	*0

Mean, 31 days=11.0

\* = Observed at Arosa or Locarno.

a = Passage of an average-sized group through the central meridian.

c = New formation of a group developing into a middle-sized or large center of activity; E, on the eastern part of the sun's disk; W, on the western part; M, in the central-circle zone.

d = Entrance of a large or average-sized center of activity on the east limb.

